		NNN NNN	NNN NNN	KKK KKK	KKK KKK	EEEEEEEEEEEEEE		RRRRRRR RRRRRRR
iii		NNN	NNN	ŘŘŘ	KKK	EEEEEEEEEEEEE		RRRRRRR
ίίι	III	NNN	NNN	KKK	KKK	EEE	RRR	RRR
LLL	İİİ	NNN	NNN	KKK	KKK	ĔĔĔ	RRR	RRR
LLL	111	NNN	NNN	KKK	KKK	EEE	RRR	RRR
LLL	III	NNNNN	NNN	KKK	KKK	EEE	RRR	RRR
LLL	III	NNNNN	NNN	KKK	KKK	EEE	RRR	RRR
řřř	III	NNNNN	NNN	KKK	KKK	EEE	RRR	RRR
LLL	ĬĬĬ	NNN NNN	NNN	KKKKKKKK		EEEEEEEEEE		RRRRRRR
iri	III	NNN NNN	NNN	KKKKKKKK		EEEEEEEEEE		RRRRRRR
iii	111	NNN NNN	NNN	KKKKKKKK		ĔĔĔĔĔĔĔĔŖĠŖĔŖĠŖ		RRRRRRR
LLL	111		NNNN	KKK	KKK	EEE	RRR	RRR
LLL	111		NNNN	KKK	KKK	EEE	RRR	RRR
lll lll	111		NNNN	KKK	KKK	EEE	RRR	RRR
	111	NNN NNN	NNN NNN	KKK KKK	KKK KKK	EEE EEE	RRR RRR	RRR RRR
	111	NNN	NNN	KKK	KKK	EEE	RRR	RRR
	111111111	NNN	NNN	ŘŘŘ	KKK	EEEEEEEEEEEEE	RRR	RRR
		NNN	NNN	ŘŘŘ	ŘŘŘ	EFFEFFFFFFF	RRR	RRR
		NNN	NNN	KKK	KKK	EEEEEEEEEEEE	RRR	RRR

THE THEFT THEFT THEFT THEFT

SY LN LN LN LN LN LN

LN LN LN

LL	NN	NN	KK	KK	111111	NN	NN	111111
ίί	NN	NN	KK	KK	ĪĪĪĪĪĪ	NN	NN	111111
ĬĬ	NN	NN	ΚK	KK	11	NN	NN	ii
ίί	NN	NN	KK	KK	ii	NN	NN	ii
ίί	NNNN	NN	KK	KK	ĬĬ	NNNN	NN	ĪĪ
ίĹ	NNNN	NN	KK	KK	ĬĬ	NNNN	NN	ĬĬ
LL	NN NN	NN	KKKK	KK	ĬΙ	NN NI	NN P	ĬĬ
LL	NN NN	NN	KKKK	KK	ĪĪ	NN NI		ĬĪ
LL	NN I	NNNN	KK	KK	ĪĪ	NN	NNNN	ĬĬ
LL	NN I	NNN	KK	KK	11	NN	NNNN	ĪĪ
LL	NN	NN	KK	KK	ĪĪ	NN	NN	ĬĬ
LL	NN	NN	KK	KK	ĪĪ	NN	NN	ĬĬ
LLLLLLLLL	NN	NN	KK	KK	111111	NN	NN	HIIIII
LLLLLLLLL	NN	NN	KK	KK	IIIIII	NN	NN	IIIIII

LL LL		\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$
	I I	SS SS
		SS SSSSSS SSSSSS
	II II	SS SS
		\$\$ \$\$
		SSSSSSS SSSSSSS

(1)

```
V
```

```
M 15
LNK_INIT
                                                                                            16-Sep-1984 00:05:15
                                                                                                                              VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                                          (2)
                                                                                                                                                                                  Page
                                                                                            14-Sep-1984 12:40:30
                                                                                                                              [LINKER.SRC]LNKINI.B32:1
     56
57
                      0056
      58
                       0057
     59
                       0058
                                     FUNCTIONAL DESCRIPTION:
                       0059
     60
     61
                       0060
                                     ROUTINE WHICH INITIALIZES THE LINKER. IT TAKES NO EXPLICIT
     62
63
                       0061
                                     INPUT. THE FOLLOWING INITIALIZATION IS DONE, IN ORDER:
                       0062
0063
                                              1. HASH TABLE ALLOCATED FOR THE SYMBOL TABLE
2. DEFAULT VALUES ESTABLISHED FOR STACK, BASE ADDRESS
     64
     65
                       0064
                                                         AND LINK CONTROL MASK.
                      0065
     66
67
                      0066
0067
     68
                      0068
0069
     69
                                  LIBRARY
     ŽÓ
                                              'STARLETL32';
     71
                       0070
                                  REQUIRE
     72 73 74 75
                                              'PREFIX';
                       0071
                      0186
0187
                                  LIBRARY
                                              'DATBAS';
                      0188
0189
     76
77
                                  EXTERNAL ROUTINE
                      0190
                                             LNKSALLOBLK : NOVALUE; ! ALLOCATE DYNAMIC MEMORY
     78
                      0191
                      0192
0193
     79
                                  EXTERNAL LITERAL
     80
                                             DEF$C_STACK : SHORT,
DEF$C_LNKCTL;
                                                                                ! DEFAULT STACK SIZE
                      0194
0195
     81
                                                                                ! DEFAULT CONTROL MASK
     82
                      0196
0197
     83
                                 EXTERNAL
                                             LNK$GL_FVMLST : REF BLOCK[,BYTE],
LNK$GL_CTLMSK : BLOCK[,BYTE],
LNK$GW_STACK : WORD,
     84
                                                                                                                   ! HEAD OF FREE VIRTUAL MEMORY LIST
     85
                      0198
                                                                                                                   ! LINK CONTROL MASK
                      0199
     86
                                                                                                                   ! STACK SIZE
     87
                      0200
                                              SYM$GL_HASHTBL;
                      0201
0202
0203
0204
0205
0206
     88
     89
                                  GLOBAL ROUTINE LNK$INIT : NOVALUE =
     90
                                  BEGIN
     91
     92
93
                                  LOCAL
                                             SYMENTALLO;
                                                                                                                   ! ALLOCATED SIZE FOR SYMBOL TABLE ENTRIES
                                 LNK$ALLOBLK(SYM$C_TBLSIZ*4,SYM$GL_HASHTBL);
CH$FILL(0,SYM$C_TBLSIZ*4,.SYM$GL_HASHTBL);
LNK$GW_STACK = DEF$C_STACK;
LNK$GL_CTLMSK = DEF$C_LNKCTL;
LNK$ALLOBLK(FVM$C_SIZE,LNK$GL_FVMLST);
LNK$GL_FVMLST[FVM$L_NXTFVM] = 0;
LNK$GL_FVMLST[FVM$L_ADDRESS] = 0;
LNK$GL_FVMLST[FVM$L_BYTES] = CONTROL_REGION;
PETURN:
     94
                               スペスペスペスペン1
                                                                                                                   ! ALLOCATE A HASH TABLE
                      0208
0209
     95
                                                                                                                     CLEAR THE TABLE
     96
                                                                                                                     SET DEFAULT STACK SIZE
                      0210
0211
0212
0213
     97
                                                                                                                     DEFAULT CONTROL FLAGS
     98
                                                                                                                     ALLOCATE FIRST FREE MEMORY DESCRIPTOR
     99
                                                                                                                     POINTS NOWHERE
    100
                                                                                                                     ASSUME BASE OF PROGRAM REGION
                      0214
0215
0216
    101
                                                                                                                   ! AND ALL OF REGION
    102
                                  RETURN:
                                  END:
                                                                                                          .TITLE LNK_INIT
                                                                                                          .IDENT
                                                                                                                     \V04-000\
                                                                                                          .EXTRN
                                                                                                                     LNK$ALLOBLK, DEF$C_STACK
                                                                                                                     DEFSC LNKCTL, LNKSGL FVMLST
LNKSGL CTLMSK, LNKSGD STACK
                                                                                                          .EXTRN
                                                                                                          .EXTRN
```

.EXTRN SYMSGL HASHTBL

LNK_INIT			N 15 16-Se 14-Se	p-1984 00:05:15 p-1984 12:40:30	VAX-11 Bliss-32 V4.0-742 [LINKER.SRC]LNKINI.B32;1	Page 3 (2)
0454 8F	00 00000000G 00000000G	00 00 00000000G	01FC 00000 00 9E 00002 00 9E 00009 00 9E 00010 58 DD 00017 8F 3C 00019 02 FB 0001E 68 D0 00021 00 2C 00024 60 00028 8F D0 00033 57 DD 00038 57 DD 00040 02 FB 00042 67 D0 00048 8F D0 00048 8F D0 00048 8F D0 00052	.ENTRY LNKS MOVAB SYMS MOVAB LNKS MOVAB LNKS PUSHL R8 MOVZWL #110 CALLS #2, MOVL SYMS MOVC5 #0, MOVZBW S^DE MOVL #DEF PUSHL R7 PUSHL #12 CALLS #2, MOVL LNKS CLRQ (R0)	DE\$, NOWRT, 2 SINIT, Save R2, R3, R4, R5, R6, R7, R8 SGL_HASHTBL, R8 SGL_FVMLST, R7 SALEOBLK, R6 18, -(SP) LNK\$ALLOBLK SGL_HASHTBL, R0 (SP), #0, #1108, (R0) EF\$C_STACK, LNK\$GW_STACK SC_ENKCTL, LNK\$GL_CTLMSK LNK\$ALLOBLK SGL_FVMLST, R0 23741824, 8(R0)	0202 0207 0208 0209 0210 0211 0212 0214 0216
; Routine Size:	83 bytes, Routine 0217 0 END ELUDOM	Base: \$CODE\$ +	0000			

PSECT SUMMARY

Name Bytes Attributes

\$CODE\$ 83 NOVEC.NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

		- Symbols	Pages	Processing	
File	Total	Loaded	Percent	Mapped	Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1 _\$255\$DUA28:[LINKER.OBJ]DATBAS.L32;1	9776 538	6 5	0	581 28	00:01.0 00:00.5

COMMAND QUALIFIERS

VAX-11 Bliss-32 V4.0-742 [LINKER.SRC]LNKINI.B32;1

Page 4 (2)

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:LNKINI/OBJ=OBJ\$:LNKINI MSRC\$:LNKINI/UPDATE=(ENH3:LNKINI)

; Size: 83 code + 0 data bytes ; Run Time: 00:03.8 ; Elapsed Time: 00:14.1 ; Lines/CPU Min: 3435 ; Lexemes/CPU-Min: 9562 ; Memory Used: 44 pages ; Compilation Complete

0216 AH-BT13A-SE

DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY

